



Course Code	Course Title	Credit Hours
HUM 011	English Language	0
HUM 012	German Language	3
HUM 013	Technical Writing and Communication	3
HUM 014	Engineering Profession, Practice, and Responsibilities	3
HUM 111	Engineering Economy	3
HUM 112	Health and Wellness	3
HUM 211	Impact of Technology on Society	3
HUM 212	Introduction to Marketing	3
HUM 311	Engineering Management	3
HUM 312	Human Resource Management	3
HUM 313	Engineering Law	3

Course Code	Course Title	Credit Hours
CSE 012	Engineering Computation	3
MDP 024	Production Engineering	3
MDP 061	Engineering Design and Graphics	4
MEP 112	Thermodynamics	3
MDP 132	Structures and Properties of Materials	3

Course Code	Course Title	Credit Hours
PHM 012	Calculus for Engineering (1)	3
PHM 013	Calculus for Engineering (2)	3
PHM 014	Linear Algebra and Analytical Geometry	3
PHM 022	Waves, Electricity, and Magnetic Fields	3
PHM 032	Engineering Mechanics (1) - Statics	3
PHM 033	Engineering Mechanics (2) - Dynamics	3
PHM 042	General Chemistry	3
PHM 113	Calculus for Engineering (3)	3
PHM 114	Statistics and Probability for Engineering	3
PHM 115	Differential Equations and Partial Differential Equations	3

Course Code	Course Title	Credit Hours
MDP 113	Production Engineering & Manufacturing (1)	2
EPM 115	Electrical Circuits	3
EPM 116	Electromagnetic Fields	3
EPM 122	Energy Resources and Regenerative Energy Resources	3
EPM 123	Energy Conversion	3
EPM 172	Electrical Measurements and Measuring Instruments	3
MEP 223	Heat Transfer	3
EPM 231	Electrical Machines (1)	3
ECE 232	Electronic Engineering	3
EPM 232	Electrical Machines (2)	3
EPM 233	Electrical Power Engineering	3
MEP 233	Fluid Mechanics	3
MDP 254	Theory of Machines	3

MDP 266	Machine Construction	3
EPM 281	Automatic Control Systems	3
MEP 284	Measurements Lab	3
EPM 324	Fundamentals of Photovoltaic	3
EPM 336	Microprocessor Based Automated Systems	3
EPM 337	Power Quality	3
EPM 353	Power Electronics (1)	3
EPM 354	Power Electronics (2)	3
MEP 354	Solar Energy (1)	3
MEP 363	Combustion and Furnaces	3
MDP 364	Machine Design	3
MEP 364	Internal Combustion Engines	3
MEP 365	Thermal Power Plants	3
MDP 368	Vibrations and Dynamics	3
EPM 372	Industrial or Field Training	3
EPM 425	Storage Energy Technologies	3
EPM 433	Network Interfacing of Renewable Resources	3

EPM 434	Economics of Generation, Transmission, and Operation	3
MEP 452	Solar Energy (2)	3
MEP 453	Wind Energy	3
EPM 497	Graduation Project (1)	3
EPM 498	Graduation Project (2)	3